

ABSTRACT

A computing environment is provided with the ability to at least contribute to generate a representation for a weld bead to be used to weld a number of components of an article of manufacture together at one or more edges of the

5 components in the manufacturing of the article outside the computing environment, including the ability to generate an initial set of one or more data representations of an initial set of one or more wire bodies based on one or more data representations of the one or more edges respectively to synthesize one or more corresponding wire bodies for the one or more edges, and the ability to generate a final data

10 representation of a final wire body based on the initial set of one or more data representations of the initial set of one or more wire bodies of the one or more edges.